

**DEPARTMENT OF CHEMISTRY**  
**SCHOOL OF ARTS AND SCIENCE**

**AV CAMPUS, PAIYANOOR – 603 104**

**INDUSTRIAL VISIT REPORT**

**Name of the Company** : Central Institute of Petrochemicals Engineering & Technology  
**Address** : SH 2, Thiru Vi Ka Industrial Estate, SIDCO Industrial Estate, Guindy, Chennai, Tamil Nadu 600032 Tamil Nadu  
**Date** : 11.10.2022  
**Programme & Year** : II & III - B.Sc Chemistry and II- M.Sc Chemistry  
**Total No. of Students** : 58  
**No. of Faculties** : 03





Surender Suren &lt;sschemsurender@gmail.com&gt;

**Fwd: REQUESTING one day INDUSTRIAL VISIT in your esteemed institute on 11.10.2022 - Reg.**

2 messages

**ameeth basha** <ameethbasha@avit.ac.in>

Fri, Oct 7, 2022 at 1:26 PM

To: "Dr." &lt;sschemsurender@gmail.com&gt;

Cc: "Dr." &lt;harikrishnan.chemistry@avit.ac.in&gt;, jayaprakash.chemistry@avit.ac.in

Dear all,

Please furnish the attached format and send tomorrow before 11.00a.m.

----- Forwarded message -----

From: **ameeth basha** <ameethbasha@avit.ac.in>

Date: Fri, Oct 7, 2022 at 1:23 PM

Subject: Re: REQUESTING one day INDUSTRIAL VISIT in your esteemed institute on 11.10.2022 - Reg.

To: VTC-CIPET-CHENNAI &lt;cipetchnvtc@gmail.com&gt;

Good afternoon Sir,

Thank you very much Sir..

We will follow your protocol and we will furnish the required details and we will visit your premises on 11.10.2022.

Thanks &amp; Regards

Dr. I. Ameeth Basha

On Fri, Oct 7, 2022 at 9:40 AM VTC-CIPET-CHENNAI &lt;cipetchnvtc@gmail.com&gt; wrote:

Dear Sir / Madam,

With reference to your trailing mail dated 06-10-2022 regarding seeking permission for the Industrial visit to CIPET: IPT Chennai, Guindy. We would like to inform you that your requisition has been accepted and permitted to visit our Technical institution on **11-10-2022 (Tuesday F/N) between 10-00 Hrs to 13.00 Hrs.**

- **The registration fee of Rs.100/- per student will be charged for Industrial Visit.**
- **The details of the Students should be furnished in the prescribed format attached herewith.**

Accordingly, you are requested to plan and send us your confirmation ASAP.

With Kind Regards,

Yours sincerely,

**RAVICHANDRAN A.,**

Technical Officer &amp; Incharge (OLC &amp; VTC),

**CIPET: Institute of Petrochemicals Technology (IPT)**

(Department of Chemicals &amp; Petrochemicals,

Ministry of Chemicals &amp; Fertilizers, Govt. of India)

T.V.K. Industrial Estate,

Guindy, Chennai 600 032.

Mobile: +91 9600254350

email: chennai@cipet.gov.in

website : www.cipet.gov.in

### **Purpose of Industrial Visit:**

- To connect students with actual industry professionals.
- To familiarize them with the industrial procedures required for employment in any company.
- To gain an understanding of the industrial working environment and to visualize all of the important departments.
- Interaction of students with personnel from all major departments.
- To prepare students for the choice of a career path in various departments of industry.



The industrial trip was coordinated by a team of UG Second & third year and Second year M.Sc students of this chapter and was guided by **Dr. M. Surendiran, Dr. A. Harikrishnan & Dr. S. Rathakrishnan**

### **Centre Profile:**



❖ The Plastics Testing Centre (PTC) at CIPET: IPT - Chennai is accredited by NABL as per ISO/IEC 17025:2005 for performing mechanical, thermal, electrical, chemical, and biological testing of plastics raw materials and products.

❖ The Plastics Testing Centre (PTC) is equipped with state of the art equipments and testing facilities at its Mechanical, Thermal,

Chemical, Rheology and Product Testing, Optical, Characterization, Electrical and Biodegradation testing Laboratory and is recognized as one of the best testing laboratories in Asia.

- ❖ It renders its technical services to plastics industries and several Central & State government organizations through testing and quality assurance of plastic products and raw materials and third party inspection of plastics products.
- ❖ The Plastics Processing division has a wide range of modern processing machinery and renders its services to the plastic industries in and around Chennai for job work and mould proving.
- ❖ Facilities include Injection Moulding machines, Extrusion, Blow Moulding and Compression Moulding machines, Roto Moulding, Pulverizer and Secondary Processing machinery.

### Strength behind the visit:

**Mr. A. Ravichandran**, Technical officer has approved the industrial visit and encouraged the committee for organizing similar kind of activities for the benefit of students. Many experts from the industries and centres have suggested that students of final year UG & PG should visit the industries and centres to experience the actual working environment and the processes. The Director of SAS, **Dr. Nazeema T.H**, also strongly appreciated, encouraged and proposed that an industrial visit for chemistry students will be helpful to face interviews and in their development.

### Observations:

According to the route and time plan the bus is departed with 58 students and reached the CIPET at 12:00 a.m. The Security officer Welcome the busses and guided for the entry in centre and seminar rooms.

In the beginning **Mr. B. Manimaran**, Asst. Technical officer has explained about the CIPET and their detailed process. After the discussion Students were divided into two batches and they were taken to processing section, testing unit, tool room and design section.





**In processing section** students learn about the working of moulding machines like



double colour Injection moulding machines, micro processor control machines, all electric machines, multilayer blown film machines, stretch blow moulding machines (at selected centres), rotomoulding by using these machines Inspection, proving and evaluation of moulds and dies and moulding of components, Testing of mould ability and optimization of processing conditions/parameters.

**In testing section** students learn about the complete range of analysis of polymers, plastics and composites and provide best services to the plastic and allied industries by undertaking assignments of plastics materials, products, composites testing as per various National and International standards.

**In tool room students** observe the various CNC machines that enable the centres to handle commercial job assignments for mould fabrication, high precision machining and manufacturing of standard mould bases for plastics products of any profile, shape or complexities. Besides, the tool rooms also undertake job orders of varying magnitude such as repair of moulds and dies, CNC machining, CNC spark erosion, grinding, drilling, designing, development of jigs and fixtures, tool parts .

Our students observe the working of different tool room machines like,

- Various plastic materials and their application
- Different moulding machines for plastic making
- How to maintain a thickness of plastic material
- Feeding of plastic granules into the machine
- Curing time of various plastics
- Various temperature maintained in screw type compression moulding machine
- Injection and manual blow moulding operations
- Film blowing processes

Finally all the students were gathered at the main gate for the departure, where technical head took a group photo with students and the entire faculty and promised to continue this activity every year for the benefit of the students. Also he has explained that how to choose a carrier and many other important aspects related to interviews.



Bus was departed from the CIPET to the respective route as earlier decided and reached safely to respective places.

**Feedback from students:**

We are thankful for all our faculties for organizing such an Informative event for us in crucial for development of our practical skills regarding pharmaceutical industries.

We hope to have more opportunities in the future to have such informative and enjoyable experiences visiting various industries.

